

CONFIDENTIALJoe *MA*
ART *asa*

Concealment Vest

3 November 1958

MEMORANDUM FOR THE RECORD

SUBJECT:

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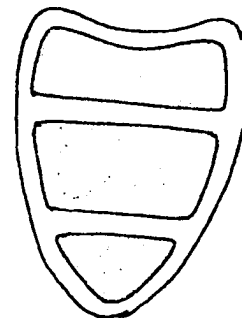
1. On 30 October I visited the Pennsylvania, to review two Engineering Division projects currently being conducted by this concern. Pertinent comments are listed for each project.

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CONCEALMENT VEST

Developments have proceeded along two lines, wearing comfort and mold ability. A third problem area which must be studied, that of adequately concealing the vest on the body, has been neglected in part, but this is primarily because work in this area is based largely upon the outcome of work in comfort and moldability.

It appears that the wearer will attain maximum comfort merely by wearing an absorbant undershirt underneath the vest. This will absorb perspiration and will be easily laundered and replaced. A vest having ridges, nubs or cores on the underside for the purpose of ventilation has not been made because of molding difficulties. The vest is currently encased in a fabric casing which encircles its periphery and has straps crossing the vest horizontally both on the front and back sides. (See sketch.) This casing serves two purposes. It provides attachment points for the harness, and it tends to keep the vest in a natural bowed shape during shelf storage. (Other than temporary shelf storage will have to be augmented by other means for preserving the shape, such as a fiberboard carton.) I tried the current model vest on; it did have a more natural feel than previous models and felt quite comfortable for the limited time I was wearing it.



Many attempts have been made to mold a variable density vest. For a number of reasons this has proved to be impractical. The current model vest is much the same as others we have made. But it is a molding of good quality with uniform density and free from cores, air bubbles and surface defects, and as such it appears quite satisfactory. Work will now concentrate on developing a suitable harness system for the vest. It is very unsatisfactory in this

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respect now as it is not adequately anchored to the body. This deficiency is especially noticeable when the wearer assumes a sitting position. The vest then rides up in front and pushes the shirt out at the neck and chest area. A new mold will also be made in order to produce a prototype paper-carrying vest.

AIR DROP ASSEMBLY FOR THE UNDERWATER CONTAINER

All drawings for the assembly in its present form have been completed. They are being sent out for one copy of reproductions; these will be sent to us for our review and modification where necessary. Any changes will then be incorporated on the masters. A specification will also be provided for the Air Drop Assembly.

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